appended claims.

WHAT IS CLAIMED IS:

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L	•	1.	А	method	of	improving	the	uniform	ity	of	etch	ing	of	a	film
2		on	an	article	е,	the method	l cor	mprising	the	st	eps	of:			

- immersing the article containing the film into a tank of etchant;
 - rotating the article while in the etchant for a predetermined amount of time so as to cause improved uniformity of etching of the film compared to etching without rotating the article; and
- 9 removing the article from the tank of etchant.
- 2. The method of claim 1 wherein the step of rotating comprises sequentially rotating the article.

1 ' 3. The method of claim 1 wherein the step of sequentially FIS920000349US1 -16-

rotating comprises rotating the article a predetermined amount but less than a complete rotation, etching the article a predetermined amount of time, and repeating the steps of rotating and etching for a predetermined amount of time.

- 4. The method of claim 1 wherein the step of rotating comprises continuously rotating the article a predetermined amount of time.
- 5. The method of claim 1 wherein in the step of rotating, the article is rotated at a speed of 1 to 5 revolutions per minute.
 - 6. The method of claim 1 wherein the film is a metallic film.
- 7. The method of claim 1 wherein the film is a nonmetallic film.
- 1 ' %. A method of improving the uniformity of etching of a film on a semiconductor wafer, the method comprising the steps of:

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- immersing the semiconductor wafer containing the film into a
 tank of etchant;
- rotating the semiconductor wafer while in the etchant for a predetermined amount of time; and
- 7 removing the semiconductor wafer from the tank of etchant.
 - 9. The method of claim 8 wherein the step of rotating comprises sequentially rotating the semiconductor wafer.
 - 10. The method of claim 8 wherein the step of sequentially rotating comprises rotating the semiconductor wafer a predetermined amount but less than a complete rotation, etching the semiconductor wafer a predetermined amount of time, and repeating the steps of rotating and etching for a predetermined amount of time.
- 1 11. The method of claim 8 wherein the step of rotating comprises continuously rotating the semiconductor wafer a predetermined amount of time.

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1 12. The method of claim 8 wherein in the step of rotating, 2 the semiconductor wafer is rotated at a speed of 1 to 5 3 revolutions per minute.

- 1 13. The method of claim 8 wherein the semiconductor wafer 2 further comprises a plurality of solder bumps on the film.
- 14. The method of claim 8 wherein the film is a metallic film.
- 15. The method of claim 8 wherein the film is a nonmetallic film.